

SEQ ID 2 1 ATG TTG CAG ATG GCT GGG CAG TGC TCC CAA AAT GAA TAT TTT GAC AGT TTG TTG CAT GCT
 SEQ ID 1 1▶ M L Q M A G Q C S Q N E Y F D S L L L H A
 61 TGC ATA OCT TGT CAA CTT CGA TCT TCT TCT AAT ACT OCT OCT CTA ACA TGT CAG GCT TAT
 21▶ C I P C Q L R C S S N T P P L T C Q R Y
 121 TGT AAT GCA AGT GTG ACC AAT TCA GTG AAA GGA AGG AAT GGG ATT CTC TGG ACC TGT TTG
 41▶ C N A S V T N S V K G T N A I L W T C L
 181 GGA CTG AGC TTA ATA ATT TCT TTG GCA GTT TTC GTG CTA ATG TTT TTG CTA AGG AAG ATA
 61▶ G L S L I S L A V F V L M F L L R K I
 241 AGC TCT GAA OCA TTA AAG GAC GAG TTT AAA AAC ACA GGA TCA GGT CTC CTG GGC ATG GCT
 81▶ S S E P L K D E F K N T G S G L L G M A
 301 AAC ATT GAC CTG GAA AAG AGC AGG ACT GGT GAT GAA ATT ATT CTT CCG AGA GGC CTC GAG
 101▶ N I D L E K S R T G D E I I L P R G L E
 361 TAC ACG GTG GAA GAA TGC ACC TGT GAA GAC TGC ATC AAG AGC AAA CCG AAG GTC GAC TCT
 121▶ Y T V E E C T C E D C I K S K P K V D S
 421 GAC CAT TGC TTT CCA CTC CCA GCT ATG GAG GAA GGC GCA AOC ATT CTT GTC ACC AGG AAA
 141▶ D H C F P L P A M E E G A T I L V T T K
 481 ACG AAT GAC TAT TGC AAG AGC CTG CCA GCT GCT TTG AGT GCT ACG GAG ATA GAG AAA TCA
 161▶ T N D Y C K S L P A A L S A T E I E K S
 541 ATT TCT GCT AGG TAA
 181▶ I S A R •

FIG. 1

FIG. 2A
FIG. 2B

FIG. 2

1 ATG GAG ACA GAC ACA CTC CTG TTA TGG GTG CTG CTC TGG GTT CCA GGT TOC ACT GGT
 11
 SEQ ID 4 11 M E T D T L L W V L L L W V P G S T G
 SEQ ID 3 61 GAC GTC AGC ATG TTG CAG ATG GCT GGG CAG TGC TOC CAA AAT GAA TAT TTT GAC AGT TTG
 11 M L Q M A G Q C S Q N E Y F D S L
 211 D V T M L Q M A G Q C S Q N E Y F D S L
 121 TTG CAT GCT TGC ATA OCT TGT CAA CTT CGA TGT TCT AAT ACT OCT CTA ACA TGT
 181 L H A C I P C Q L R C S S N T P L T C
 411 L H A C I P C Q L R C S S N T P L T C
 181 CAG GGT TAT TGT AAT GCA AGT GTG ACC AAT TCA GTG AAA GGA GTC GAC AAA ACT CAC ACA
 381 Q R Y C N A S V T N S V K G
 611 Q R Y C N A S V T N S V K G V D K T H T
 241 TGC CCA CCG TGC CCA GCA OCT GAA CTC CTG GGG CGA CCG TCA GTC TTC CTC TTC CCC CCA
 811 C P P C P A P E L L G G P S V F L F P P
 301 AAA CCC AAG GAC ACC CTC ATG ATC TOC CCG ACC OCT GAG GTC ACA TGC GTG GTG GAC
 1011 K P K D T L M I S R T P E V T C V V D
 361 GTG AGC CAC GAA GAC OCT GAG GTC AAG TTC AAC TGG TAC GTG GAC GGC GTG GAG GTG CAT
 1211 V S H E D P E V K F N W Y V D G V E V H
 421 AAT GCC AAG ACA AAG CCG CCG GAG GAG CAG TAC AAC AGC ACG TAC OCT GTG GTC AGC GTC
 1411 N A K T K P R E E Q Y N S T Y R V V S V
 481 CTC ACC GTC CTG CAC CAG GAC TGG CTG AAT GGC AAG GAG TAC AAG TGC AAG GTC TOC AAC

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FIG. 2A

161▶ L T V L H Q D W L N G K E Y K C K V S N
541 AAA GGC CTC CCA GGC CCC ATC GAG AAA ACC ATC TOC AAA GGC AAA GGC CAG CCC CGA GAA
181▶ K A L P A P I E K T I S K A K G Q P R E
601 CCA CAG GTG TAC ACC CTG CCC CCA TOC CGG GAT GAG CTG ACC AAG AAC CAG GTC AGC CTG
201▶ P Q V Y T L P P S R D E L T K N Q V S L
661 ACC TGC CTG GTC AAA GGC TTC TAT CCC AGC GAC ATC GGC GTG GAG TGG GAG AGC AAT GGC
221▶ T C L V K G F Y P S D I A V E W E S N G
721 CAG CCG GAG AAC TAC TAC AAC ACC ACG OCT CCC GTG TTG GAC TOC GAC GGC TTC TTC TTC
241▶ Q P E N N Y K T T P P V L D S D G S F F
781 CTC TAC AGC AAC CTC ACC GTG GAC AAG AGC AGG TGG CAG CAG GGC AAC GTC TTC TCA TGC
261▶ L Y S K L T V D K S R W Q Q G N V F S C
841 TOC GTG ATG CAT GAG GCT CTG CAC AAC CAC TAC ACG CAG AAG AGC CTC TOC CTG TCT CCC
281▶ S V M H E A L H N H Y T Q K S L S L S P
901 GGG AAA TGA
301▶ G K •

FIG. 2B

					BsaAI	BbsI
1	AAGACTCAAA	CTTAGAACT	TGAATTAGAT	GTGGTATTCA	AATCCTTACG	TGCGCGGAAG
61	ACACAGACAG	CCCCCGTAAG	AACCCACGAA	GCAGCGCAAG	TTCATTGTTC	TCAACATTCT
			EcoRI			
121	AGCTGCTCTT	GCTGCATTTG	CTCTGGAATT	CTTGTAGAGA	TATTACTTGT	CCTTCCAGGC
	SfiI		BclI			
181	TGTTCTTTCT	GTAGCTCCCT	TGTTTTCTTT	TTGTGATCAT	GTTCGAGATG	GCTGGGCAGT
				1► M	L Q M	A G Q
		SspI		SphI		HincII
241	GCTCCAAAA	TGAATATTTT	GACAGTTTGT	TGCATGCTTG	CATACCTTGT	CAACTTCGAT
	8► C S Q N	E Y F	D S L	L H A C	I P C	Q L R
			Pci I			
			AflIII			
301	GTCTCTCTAA	TACTCCTCCT	CTAACATGTC	AGCGTTATTG	TAATGCAAGT	GTGACCAATT
	28► C S S N	T P P	L T C	Q R Y C	N A S	V T N
				BsmFI		
361	CAGTGAAAGG	AACGAATGCG	ATTCTCTGGA	CCTGTTTGGG	ACTGAGCTTA	ATAATTCTCT
	48► S V K G	T N A	I L W	T C L G	L S L	I I S
421	TGGCAGTTT	CGTGCTAATG	TTTTTGCTAA	GGAAGATAAG	CTCTGAACCA	TTAAAGGACG
	68► L A V F	V L M	F L L	R K I S	S E P	L K D
	DraI	AluI	BsaI			
481	AGTTTAAAAA	CACAGGATCA	GGTCTCCTGG	GCATGGCTAA	CATTGACCTG	GAAAAAGACA
	88► E F K N	T G S	G L L	G M A N	I D L	E K S
		XmnI		StuI	XhoI	
541	GGACTGGTGA	TGAAATTATT	CTTCCGAGAG	GCCTCGAGTA	CACGGTGAA	GAATGCACTT
	108► R T G D	E I I	L P R	G L E Y	T V E	E C T
			Sall			
			HincII			
	BbsI		AccI			
601	GTGAAGACTG	CATCAAGAGC	AAACCGAAGG	TCGACTCTGA	CCATTGCTTT	CCACTCCCAG
	128► C E D C	I K S	K P K	V D S D	H C F	P L P
661	CTATGGAGGA	AGGCGCAACC	ATTCTGTGTA	CCACGAAAAC	GAATGACTAT	TGCAAGAGCC
	148► A M E E	G A T	I L V	T T K T	N D Y	C K S
	PvuII					
721	TGCCAGCTGC	TTTGAGTGCT	ACGGAGATAG	AGAAATCAAT	TTCTGCTAGG	TAATTAACCA
	168► L P A A	L S A	T E I	E K S I	S A R	
	XhoI		DraI			BglII
781	TTTCGACTCG	AGCAGTGCCA	CTTTAAAAAT	CTTTTGTGAG	AATAGATGAT	GTGTCAGATC
	841	TCTTTAGGAT	GACTGTATTT	TTTCAATTGCC	GATACAGCTT	TTTGTCTCT
						StyI
901	ACTCTTTATG	TTAGATATAT	TTCTCTAGGT	TACTGTTGGG	AGCTTAATGG	TAGAAACTTC
	961	CTTGGTTTCA	TGATTAAAGT	CTTTTTTTTT	CCTGA	

FIG. 3

STRUCTURE COMPARISON BETWEEN TNF-R55 AND BAFF-R

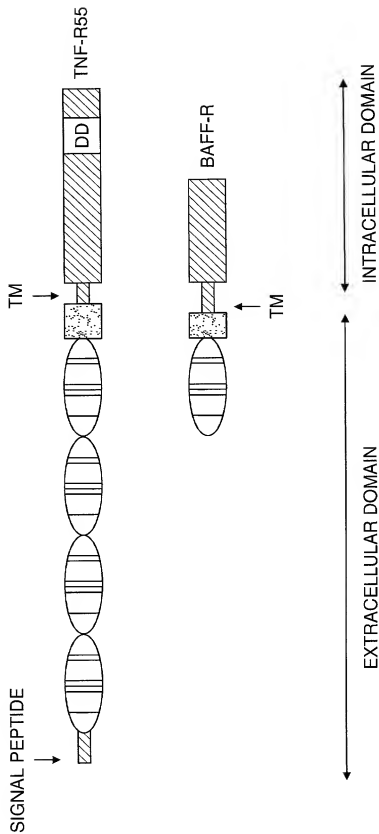


FIG. 4

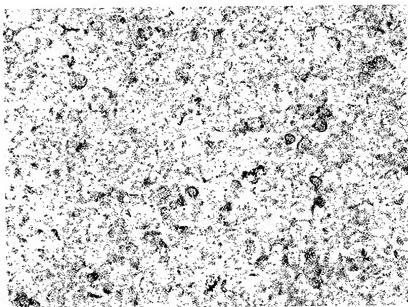


FIG. 5A

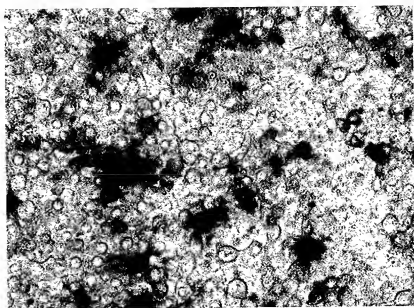
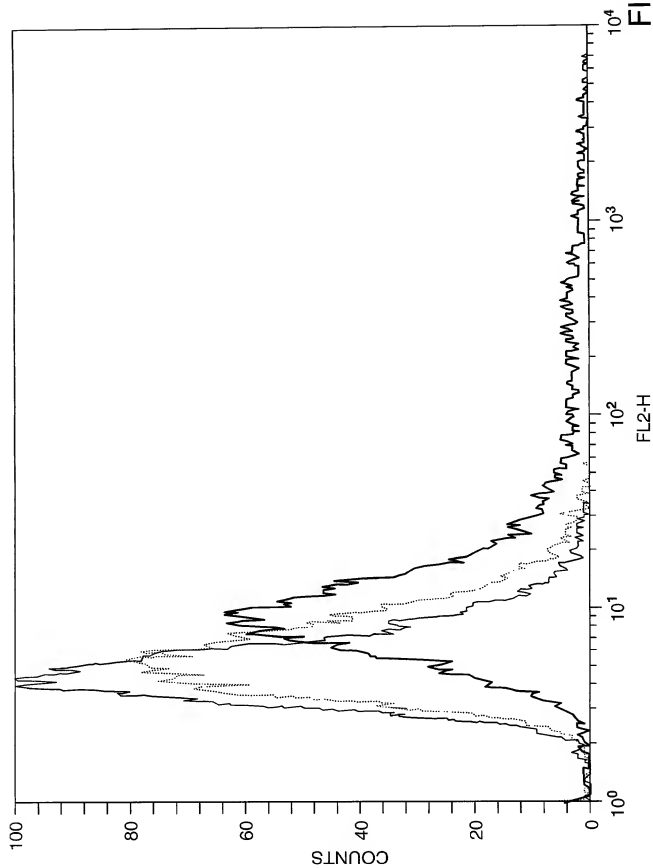
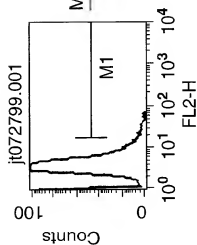


FIG. 5B

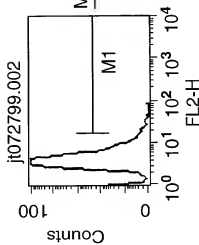
205123 8572001

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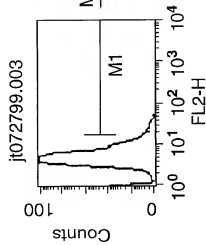




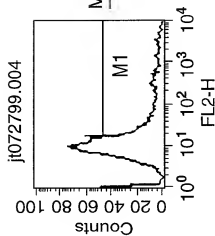
Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	4.26	3.80	61.34	3.65
M1	17.	9910	65	0.65	0.65	23.23	22.44	30.37	20.35



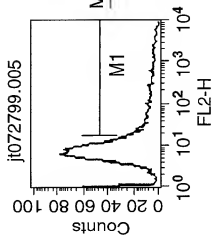
Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	4.61	4.11	61.98	3.89
M1	17.	9910	79	0.79	0.79	22.88	21.98	34.94	19.63



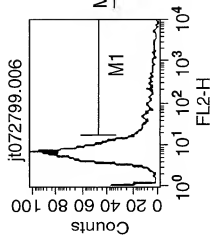
Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	5.51	4.93	58.41	4.66
M1	17.	9910	130	1.30	1.30	23.55	22.98	23.39	22.57



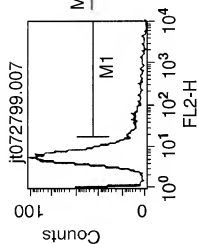
Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	108.24	15.40	459.27	10.27
M1	17.	9910	2785	27.85	27.85	366.10	85.21	243.61	45.32



Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	72.53	11.42	516.47	7.84
M1	17.	9910	2054	20.54	20.54	324.52	88.86	239.37	61.80

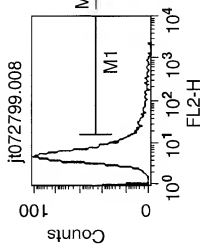


Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	51.15	9.41	566.98	6.67
M1	17.	9910	1673	16.73	16.73	272.40	81.97	244.63	54.25



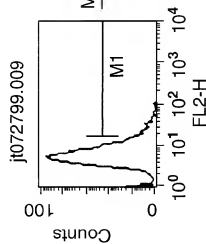
Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	26.59	7.74	576.94	5.94
M1	17.	9910	1313	13.13	13.13	161.35	60.77	246.67	42.94

FIG. 6B-7



Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	12.39	6.54	405.32	5.47
M1	17.	9910	876	8.76	8.76	78.94	43.41	195.84	33.68

FIG. 6B-8



Marker	Left	Right	Events	% Gated	% Total	Mean	Geo Mean	CV	Median
All	1.	9910	10000	100.00	100.00	6.99	6.60	69.06	5.67
M1	17.	9910	393	3.93	3.93	24.33	23.31	33.78	21.48

FIG. 6B-9



FIG. 7

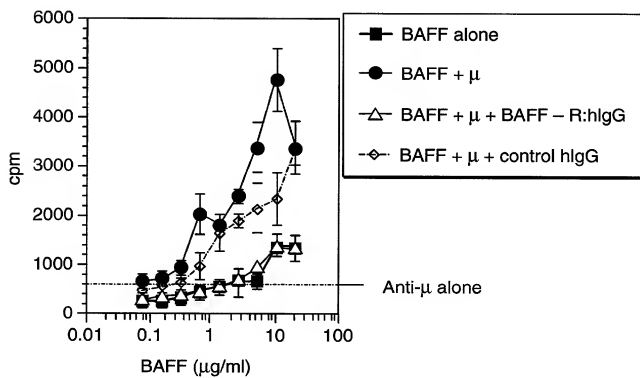


FIG. 8

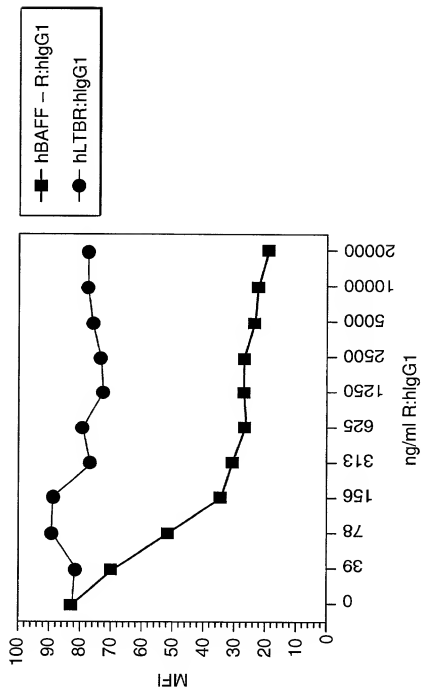


FIG. 9

FIG. 10A

BCMA-Ig Treatment Reduces Total $CD1^{hi}/IgM^{hi}$
B Cell Populations in Spleens of Baff Tg Mice

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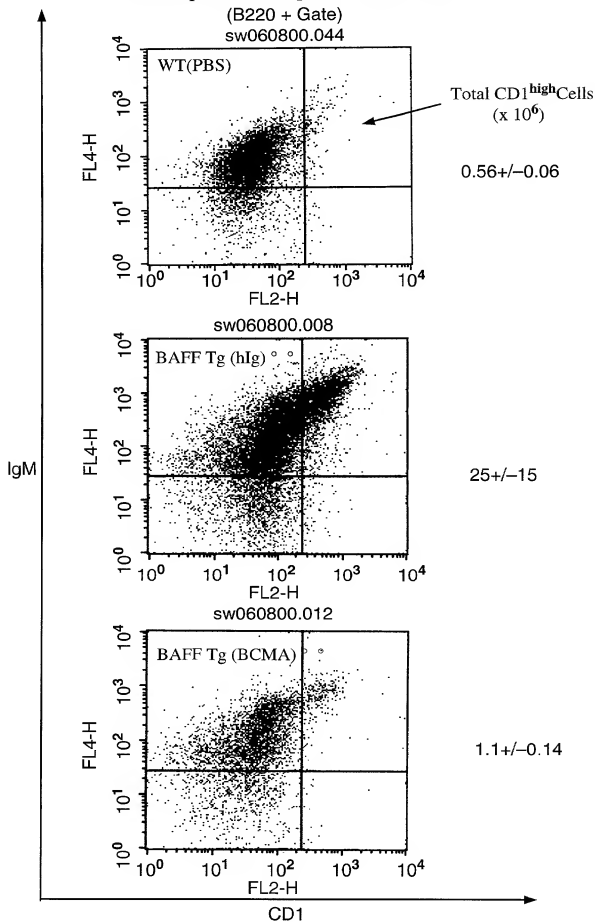
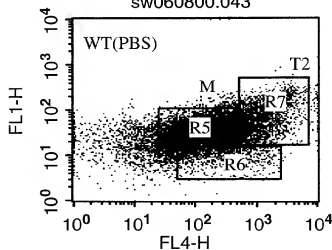


FIG. 10B

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BCMA-Ig Treatment Reduces Total Mature B
and T2 B Cell Populations in Spleens of Baff Tg Mice

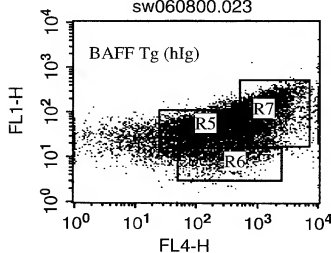
(IgD + Gate)
sw060800.043



Total M	Total T2
(x 10 ⁶)	

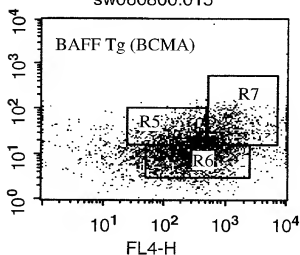
13+/-0.7	5.7+/-0.63
----------	------------

sw060800.023



54+/-40	41+/-36
---------	---------

sw060800.015



4.2+/-0	3+/-0.28
---------	----------

CD21

IgM

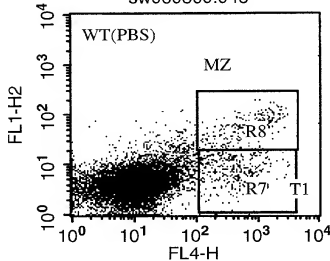
20251201 08:44:20

FIG. 10C

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BCMA-Ig Treatment Reduces Total Marginal Zone
and T1 B Cell Populations in Spleens of Baff Tg Mice

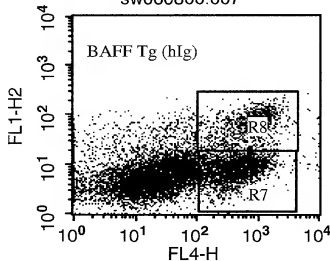
(IgD + Gate)
sw060800.043



Total Mz Total T1
(x 10⁶)

0.61+/-0.16 0.94+/-0.08

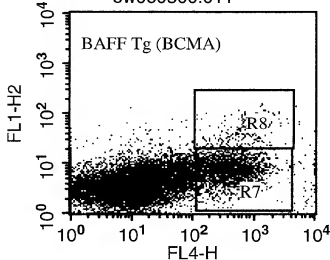
sw060800.007



14+/-8

39+/-20

sw060800.011

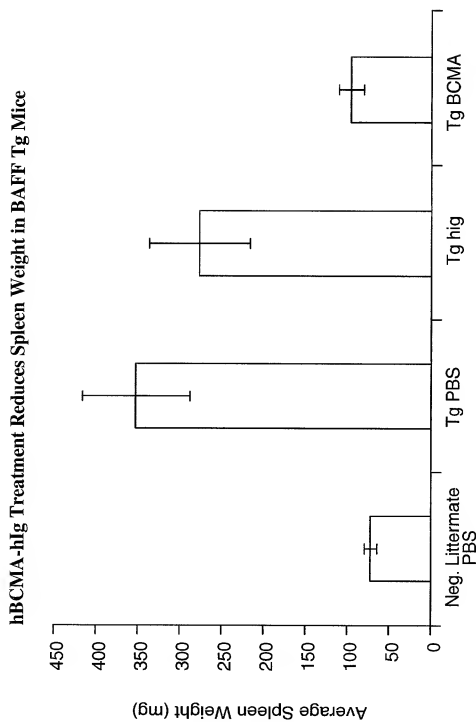


0.34+/-0

3.9+/-1.8

IgM

20251220-857422001

**FIG. 11**

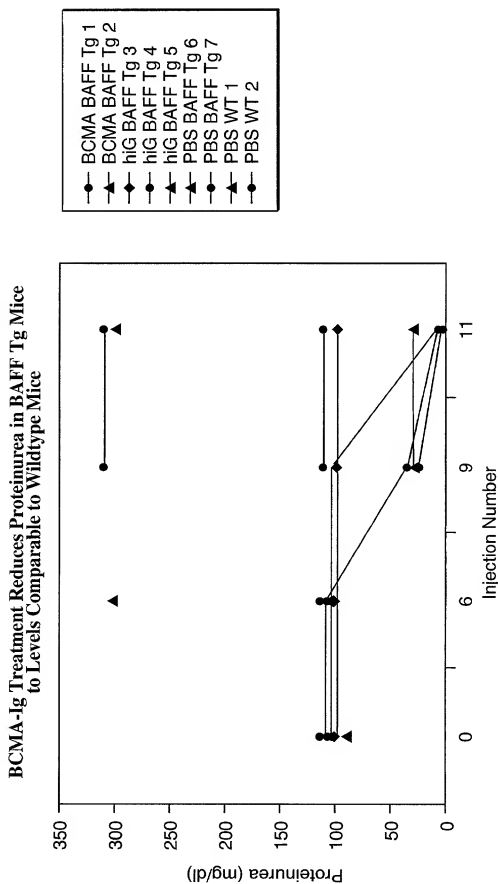


FIG. 12

**Average Mean Arterial Pressure in BAFF transgenic
(BAFF +) and wild-type controls (BAFF -)**

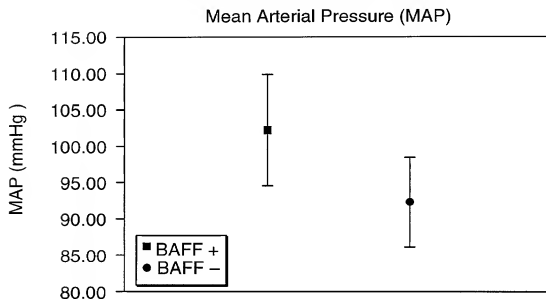


FIG. 13

**Individual Mean Arterial Pressure in BAFF transgenic
(BAFF +) and wild-type controls (BAFF -)**

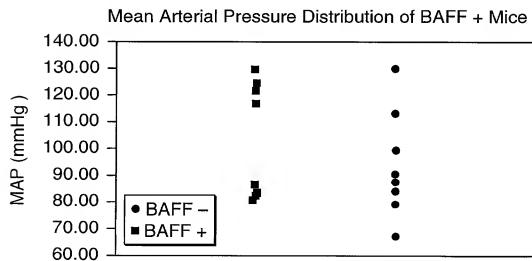


FIG. 14

BCMA-Ig Treatment of Moderately Nephritic SNF1 Mice
Slows Progression to Severe Nephritis

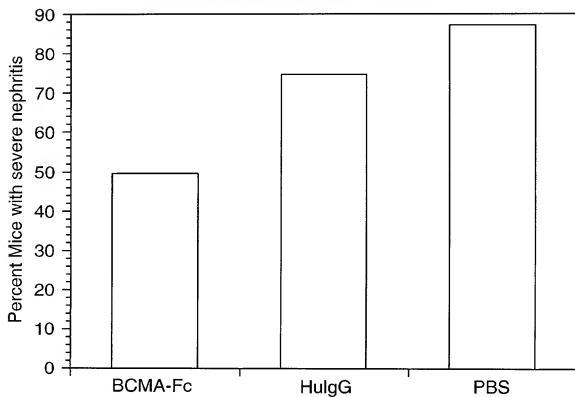


FIG. 15

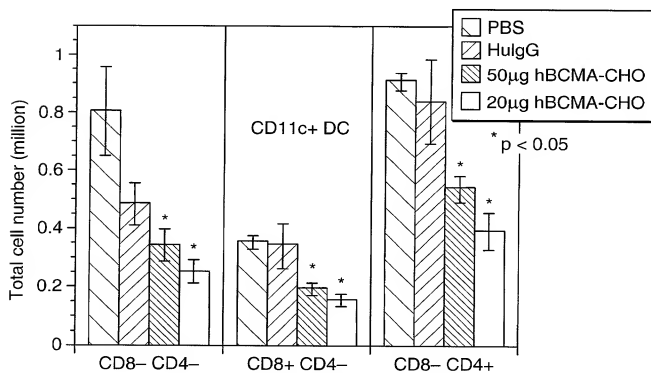


FIG. 16